

IN THE ABSTRACT:

Please cancel the current abstract and insert the following.

~~A linear motor increases the space factor of a copper wire with respect to a coil section, increases the current density of a driving current supplied to a coil, and realizes higher speed and lower power consumption of a stage apparatus. In an exposure apparatus for exposing a substrate to a pattern drawn on a master surface, a linear motor with a coil formed by winding a foil-like conductor in a multilayered structure is used for driving a stage which supports a master or substrate, and for damping of the main body structure by cutting off transmission of a reaction force from the stage.~~

-- A linear motor apparatus includes a movable member having a magnet, and a coil wound about the magnet so as to generate a drive force for driving the movable member and having a multi-layered structure formed by winding a foil-like conductor and an insulating layer. The foil-like conductor has a plurality of partial coils having identical current application/rotation directions, and the plurality of partial coils are formed in such a way that the foil-like conductor forms a continuous, seamless strip. --